



P.B.5818 – Patentlaan 2
2280 HV Rijswijk (ZH)
+31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

**Europäisches
Patentamt**

Zweigstelle
in Den Haag
Recherchen-
abteilung

**European
Patent Office**

Branch at
The Hague
Search
division

**Office européen
des brevets**
Département à
La Haye
Division de la
recherche

Leeming, John Gerard
J.A. Kemp & Co.,
14 South Square,
Gray's Inn
London WC1R 5JJ
GRANDE BRETAGNE

J. A. KEMP & Co

RECD 27 MAY 2003

Action by.....

Datum/Date

23.05.03

Zeichen/Ref./Réf.

N.86349 JGL

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.
02256792.9-2208-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

ASML Netherlands B.V.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract

title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 252 648 B1 (HASE ET AL.) 26 June 2001 (2001-06-26)	1-11	G03F7/20
A	* claims 1-6,14 *	12	
X	---		
X	US 2002/000519 A1 (TSUKAMOTO) 3 January 2002 (2002-01-03)	1-11	
A	* claims 1-9 *	12	
X	---		
X	EP 0 874 283 A (NIKON CORP.) 28 October 1998 (1998-10-28)	1-11	
A	* claims 43-47 *	12	
X,Y	---		
WO 02 052347 A (EUV LIMITED LIABILITY CORP.) 4 July 2002 (2002-07-04) * page 1, line 8 - page 2, line 24; claims 1- *	1-12		
Y	---		
US 4 987 008 A (YAMAZAKI ET AL.) 22 January 1991 (1991-01-22) * claims 1,2 *	1-12		
Y	---		
US 6 407 385 B1 (OKADA) 18 June 2002 (2002-06-18) * column 10, line 31-35; claims 1-4,16,17 * * column 2, line 46-49 *	1-12		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Y	---		G03F
EP 0 227 839 B (SEMICONDUCTOR ENERGY LABORATORY CO., LTD.) 15 May 1991 (1991-05-15) * claims 1,3,7-9 *	1-12		
X	---		
EP 1 186 957 A (ASM LITHOGRAPHY B. V.) 13 March 2002 (2002-03-13) * claim 1 *	1-11		
X	---		
	-/-		
The present search report has been drawn up for all claims			
1	Place of search	Date of completion of the search	Examiner
	MUNICH	16 May 2003	Thiele, N
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
O : non-written disclosure	L : document cited for other reasons		
P : intermediate document	& : member of the same patent family, corresponding document		



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2002/051124 A1 (BANINE ET AL.) 2 May 2002 (2002-05-02) * claim 1 *	1-11	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
1	The present search report has been drawn up for all claims		
	Place of search	Date of completion of the search	Examiner
	MUNICH	16 May 2003	Thiele, N
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 6792

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-05-2003

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6252648	B1	26-06-2001	JP US	11224839 A 2001028447 A1	17-08-1999 11-10-2001	
US 2002000519	A1	03-01-2002	JP	2001297972 A		26-10-2001
EP 874283	A	28-10-1998	JP JP JP EP US US	10303097 A 10335235 A 10335236 A 0874283 A2 6268904 B1 2001030740 A1	13-11-1998 18-12-1998 18-12-1998 28-10-1998 31-07-2001 18-10-2001	
WO 02052347	A	04-07-2002	WO	02052347 A1		04-07-2002
US 4987008	A	22-01-1991	JP JP JP JP JP JP JP DE EP WO	1899630 C 6022228 B 62005640 A 62005633 A 2593642 B2 62007866 A 3679299 D1 0227839 A1 8700346 A1	27-01-1995 23-03-1994 12-01-1987 12-01-1987 26-03-1997 14-01-1987 20-06-1991 08-07-1987 15-01-1987	
US 6407385	B1	18-06-2002	JP JP JP	2000176671 A 2000202384 A 2000208463 A	27-06-2000 25-07-2000 28-07-2000	
EP 227839	B	08-07-1987	JP JP JP JP JP JP JP DE EP WO US	1899630 C 6022228 B 62005640 A 62005633 A 2593642 B2 62007866 A 3679299 D1 0227839 A1 8700346 A1 4987008 A	27-01-1995 23-03-1994 12-01-1987 12-01-1987 26-03-1997 14-01-1987 20-06-1991 08-07-1987 15-01-1987 22-01-1991	
EP 1186957	A	13-03-2002	EP JP US	1186957 A2 2002110539 A 2002051124 A1	13-03-2002 12-04-2002 02-05-2002	
US 2002051124	A1	02-05-2002	EP JP	1186957 A2 2002110539 A	13-03-2002 12-04-2002	